



**THE PORT AUTHORITY
OF NY & NJ**

James J. O'Neil
ENGINEER OF DESIGN E.D.D., PORTS AND
WORLD TRADE
Thomas A. Bell
CHIEF ELECTRICAL ENGINEER

Engineering Department
Design Divisions

**World
Trade
Center**

Title
**TOWER M.E.R'S
SPRINKLER INSTALLATION
AND MODIFICATION
TO SMOKE DETECTION
SYSTEM**
ELECTRICAL
**SMOKE DETECTION PANEL
XL No.7 RISER DIAGRAM**

7-12-90 REV. ENCIRCLED AREA B.R. 8
No. Date Revision Approved

This drawing subject to conditions in contract.
All inventions, ideas, designs and methods
herein are reserved to Port Authority and
may not be used without its written consent.

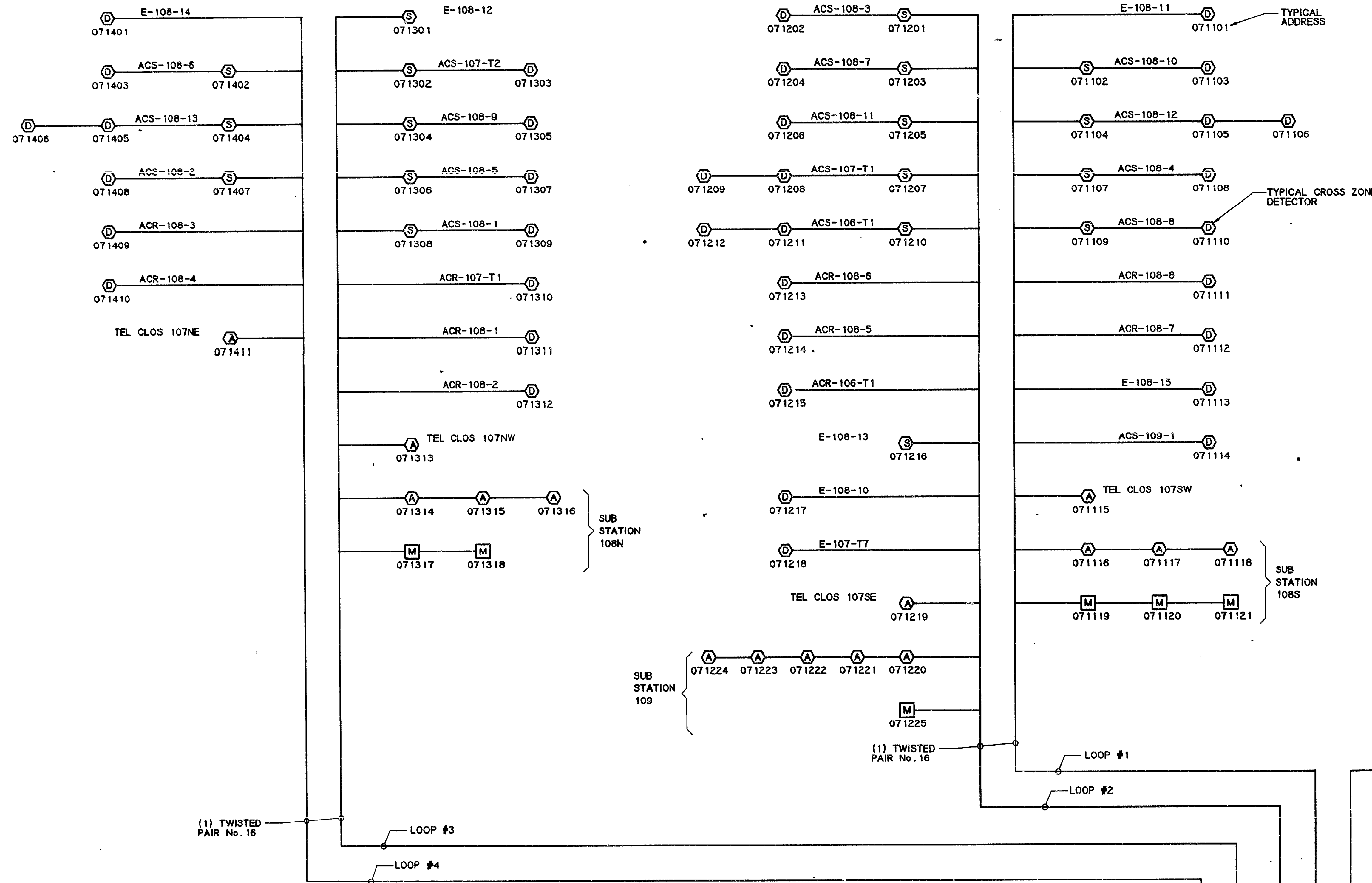
DaCOSTA/
AVENOSO PALANGO
Designed by Drawn by Task Leader

Checked by *[Signature]*

Date 5-15-90 Scale NONE

Contract Number Drawing Number
WTC 499.18 E-10

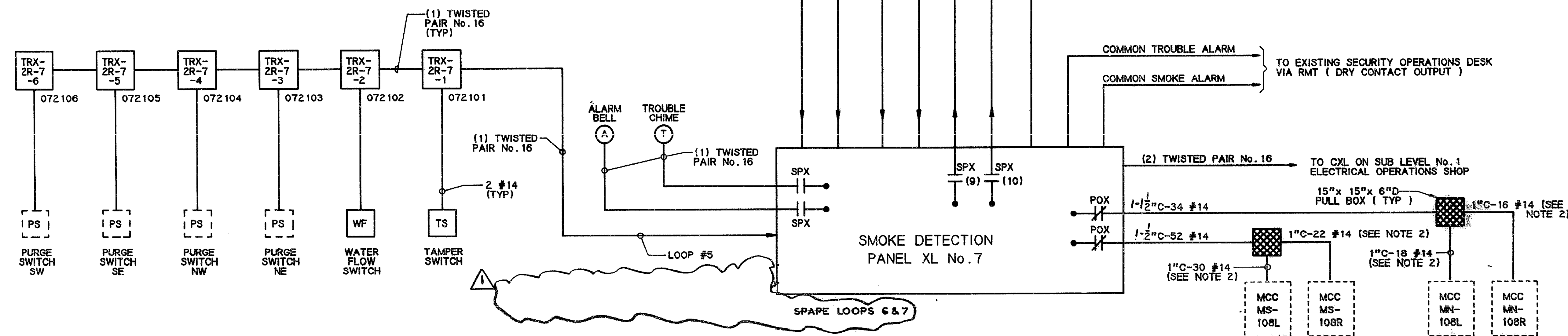
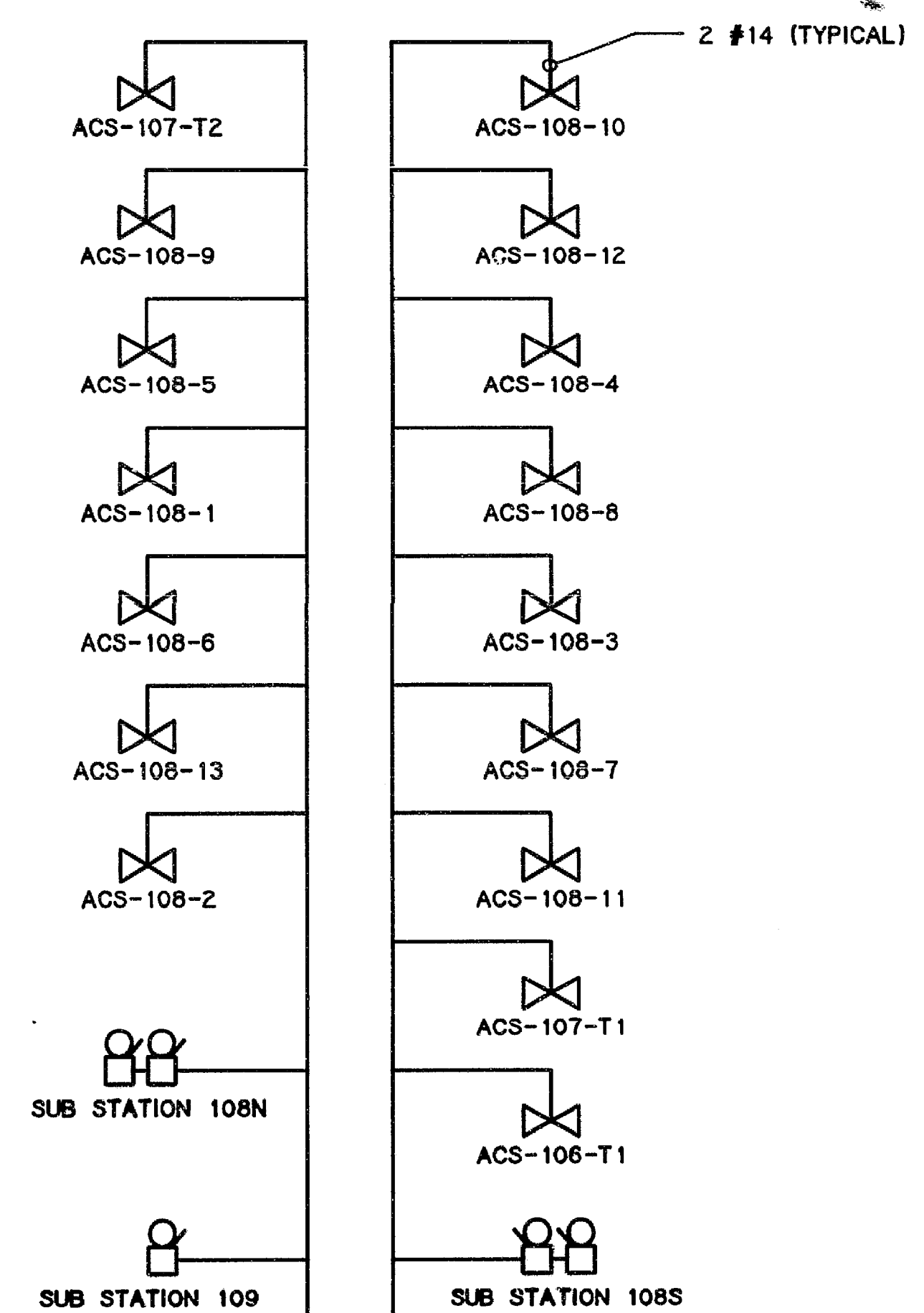
**SUPPLY AIR FILTER AND RETURN AIR DUCT
SMOKE DETECTION SYSTEM**



NOTES

1. ALL EQUIPMENT SHOWN ON THIS DRAWING IS LOCATED IN THE 1 WTC 108TH FLOOR (OR 109TH FLOOR WHERE SHOWN) MECHANICAL EQUIPMENT ROOM
2. CONTRACTOR SHALL VERIFY WITHIN MEX EXACT LOCATION OF MCC'S AND STARTERS AND ROUTE WIRING ACCORDINGLY. PROVIDE 20% SPARES TO EACH MCC.

**SUPPLY AIR FILTER
DELUGE SOLENOID VALVES**



FILE NAME : 4991810 MAY 15, 1990